Washington State Ferries 2006 Origin/Destination Onboard Survey Summary Report

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Purpose of the Origin-Destination Onboard Survey

- To capture accurate measures of customer travel patterns and support analysis in order to:
 - Identify significant trends in ridership travel characteristics;
 - Update data inputs to ferry travel model for use in WSF Long-Range Plan; and
 - Provide input to terminal capital improvement projects.
- WSF now has a series of similar surveys from which to compare data
 - 1993, 1999, and 2006
 - Surveys taken during "average" months of May or October

Home Locations for Weekday Riders

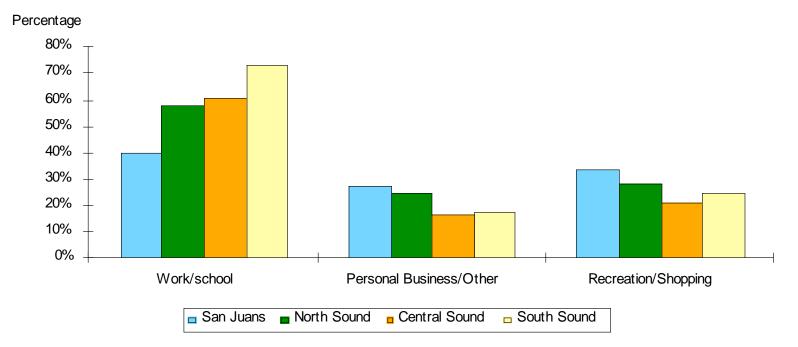
Service Area Corridors

- San Juan Island Corridor
 - Serves San Juan Islands, and Sidney, BC
- North Sound Corridor
 - Serves Whidbey Island and points north
- Central Sound Corridor
 - Serves Bainbridge Island, North /Central/South Kitsap County, and the Olympic Peninsula
- South Sound Corridor
 - Serves South Kitsap County and Vashon Island

Snapshot of the System

Trip Purpose

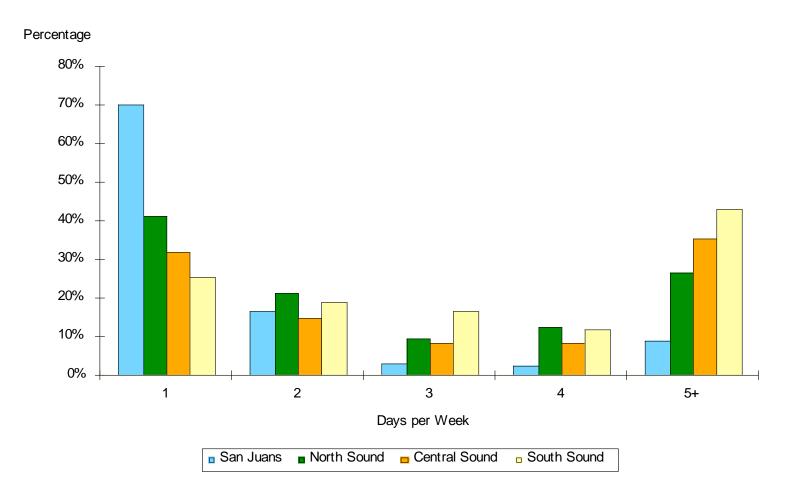
- Work trips are proportionately higher in the southern routes, and lowest in the north.
- Personal business/other trips are higher in the northern routes, and lowest in the south.
- Recreational trips are highest in the northern routes, and lowest in the central sound.



Snapshot of the System

Frequency of Travel

 More weekday travelers in the South Sound Corridor are likely to travel four or five days per week than in any other corridor



Systemwide Background Trends

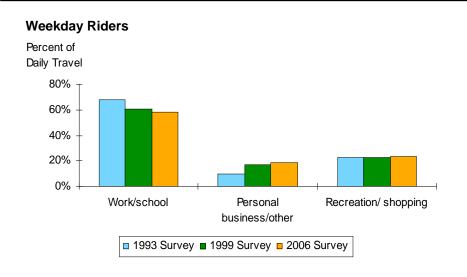
2006 System

- 65,300 riders per day (10 percent decrease)
- \$10.49 average vehicle fare (39 percent increase)
- •\$5.76 average passenger fare (43 percent increase)

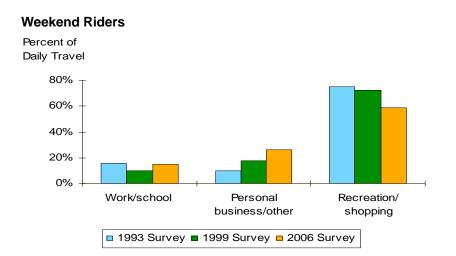
1999 System

- •72,200 riders per day (63,300 riders per day in 1993)
- •\$7.55 average vehicle fare (in 2006 dollars)
- \$4.02 average passenger fare (in 2006 dollars)

Systemwide Trends – 1993, 1999, 2006 Trip Purpose



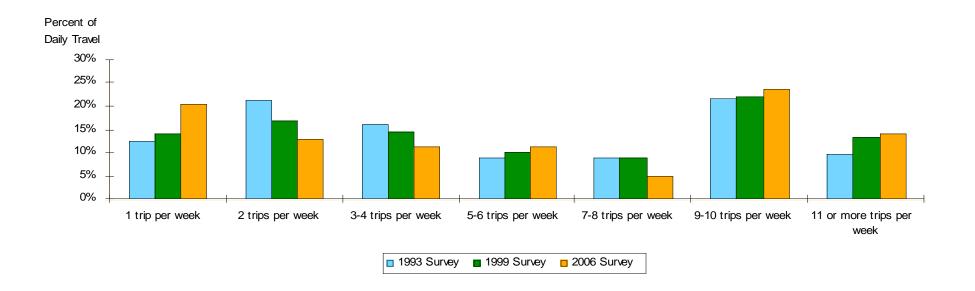
 Work trips are declining as a percent of weekday travel.



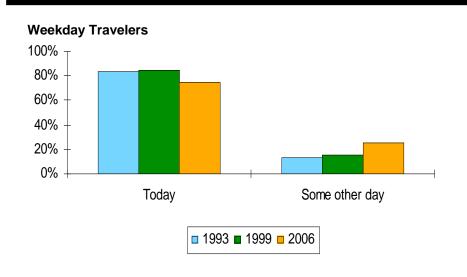
 Recreation trips are also declining as a percent of weekend travel.

Systemwide Trends – 1993, 1999, 2006 Frequency of Travel

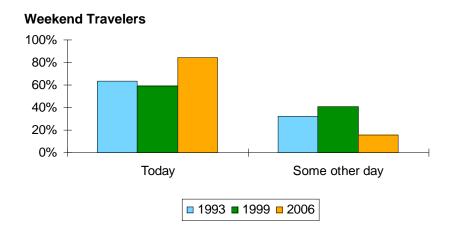
Average number of trips per week have declined slightly since 2006.



Systemwide Trends – 1993, 1999, 2006 Round Trip Characteristics

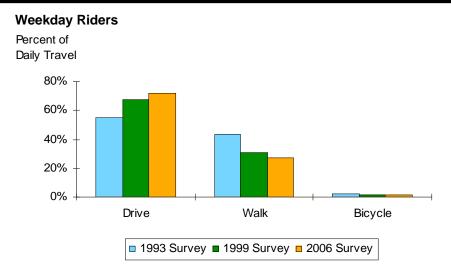


 Weekday travelers are slightly more likely to return on a different day.

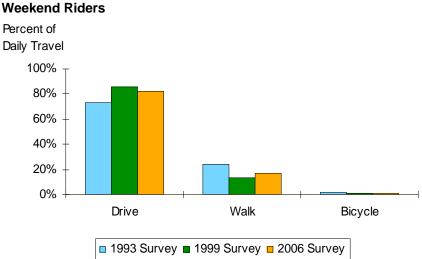


 Saturday travelers are less likely to return on a different day than Sunday travelers.

Systemwide Trends – 1993, 1999, 2006 Boarding Mode



 A slightly higher proportion of weekday riders are boarding in vehicles.

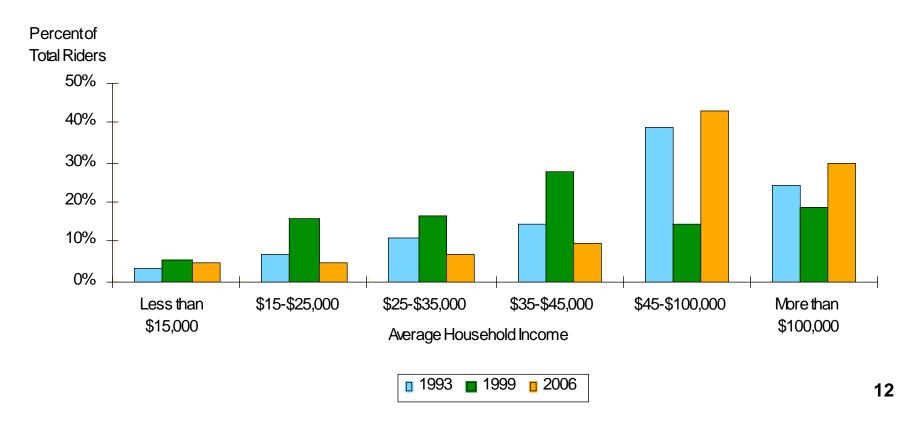


 A slightly higher proportion of weekend riders are boarding as foot passengers.

Systemwide Trends

Average Household Income for Ferry Riders

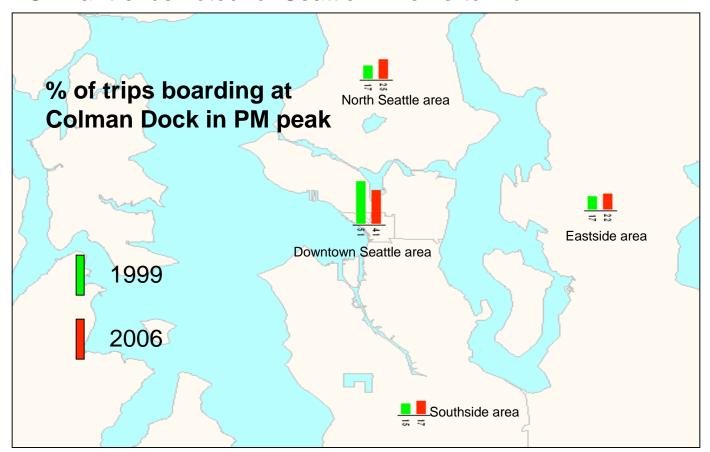
- Proportionately fewer low and middle income people are riding ferries in 2006 compared to 1999.
- Income distribution of 2006 ferry riders more closely resembles 1993 than 1999.



Travel pattern is more dispersed today compared to 1999

Seattle-Bainbridge (Westbound) Example

- Trips originated from downtown Seattle decreased from 51% in 1999 to 41% in 2006.
- Similar trends noted for Seattle Bremerton run.

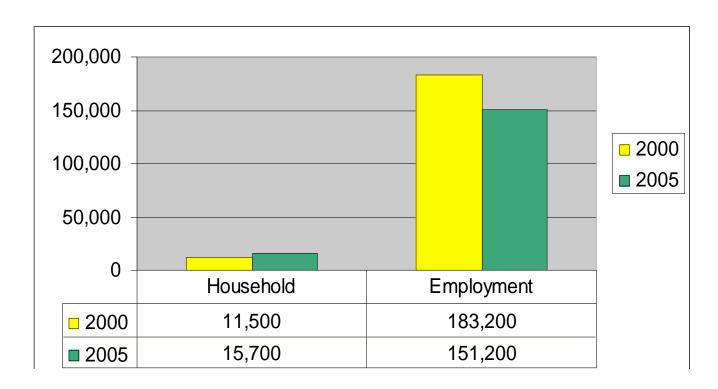


Ferry ridership has declined since 1999

- Between 1999 and 2006 system wide:
 - Total ridership decreased by 10%
 - Vehicle ridership decreased by 5%
 - Walk-on ridership decreased by 21%
- Between 1999 and 2006 for downtown Seattle routes:
 - Total ridership decreased by 16%
 - Vehicle ridership decreased by 9%
 - Walk-on ridership decreased by 26%

Seattle downtown land use changes

- Total households increased by 6.4% between 2000 and 2005
- Total employment decreased by 3.8% between 2000 and 2005
- Downtown employment forecasted to increase again, however



Additional Trip Pattern Observations

- San Juan Islands: Traffic during the weekday is proportionately more oriented toward San Juan Island. On weekends, it's proportionately more oriented toward Orcas Island.
- North Sound: Origin and destinations on Port Townsend-Keystone are more clustered in Port Townsend than they were in 1999.
- Central Sound: The Central Kitsap area seems to be more oriented toward the Seattle-Bremerton route than Seattle-Bainbridge, a shift since 1999.
- **Telecommuting:** 20% of weekday riders said they telecommute at least one day a week.

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